

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Basam Nabulsi on 2/29/08.

The application has been amended as follows:

IN THE CLAIMS:

In claims 2 and 3, at the first line of each claim, the phrase "claim 20," was changed to -- claim 16, --.

Claim 8 was canceled.

Claim 16 was replaced by the following:

-- 16. A system for treating complex fluid with a non-laser light source assembly adapted to supply light energy when said light source is energized comprising:

- a) a fluid-tight housing defined by at least one outer wall, said at least one outer wall defining an outer face and inner face;
- b) a light source positioned within said housing;
- c) means for energizing said light source;
- d) wherein said light source includes a bounded volume of photon-producing gas for generating monochromatic light that is positioned within and spaced from said housing that includes at least

one light emitting surface having a light emitting surface geometry;
wherein at least a portion of said outer wall is substantially transparent to photons produced by
said bounded volume of gas, said substantially transparent portion of said outer wall being
temperature-controlled through direct contact of a cooling fluid with the
inner face thereof; wherein said light source includes a bounded region that is adapted to receive a
cooling fluid, and wherein said cooling fluid passes in direct contact with said inner face of said
outer wall and then enters said bounded region of said light source to provide cooling to said light
source;

e) a treatment surface having a treatment surface geometry positioned for irradiation by said
monochromatic light emitted from said housing; wherein said light emitting geometry substantially
corresponds to said treatment geometry; and

wherein a complex fluid is positioned adjacent said treatment surface for irradiation by said
monochromatic light emitted from said housing. --

Claim 19 was replaced by the following:

-- 19. A system according to claim 16, wherein said outer wall that is substantially transparent to
photons comprises a quartz plate mounted to said fluid-tight housing, said quartz plate having
inwardly and outwardly directed faces, and wherein said inwardly directed face of said quartz plate
is said light emitting surface and said outwardly directed face of said quartz plate is said
treatment surface. --

Terminal Disclaimer

The terminal disclaimer filed on 12/7/07 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of U.S. Patent No. 7,057,189 has been reviewed and is accepted. The terminal disclaimer has been recorded.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to SUSAN HANLEY whose telephone number is (571)272-2508. The examiner can normally be reached on M-F 9:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Wityshyn can be reached on 571-272-0926. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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